

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

241079US0X

SERIAL NO.

10/630,666

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Tsutomu USHIODA, et al.

FILING DATE

July 31, 2003

GROUP

1621

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>[initials]</i>	AA	5,278,264	01/11/94	S. SPALECK, et al.	526	127	
<i>[initials]</i>	AB	6,552,210	04/22/2003	M. GÖRES, et al.	556	53	
<i>[initials]</i>	AC	5,064,802	11/12/91	J. C. STEVENS, et al.	502	155	
<i>[initials]</i>	AD	6,169,051	01/02/2001	S. MITANI, et al.	502	103	
<i>[initials]</i>	AE	6,326,493	12/04/2001	S. MITANI, et al.	546	4	
<i>[initials]</i>	AF	2001/0053833 A1	12/20/2001	M. NAKANO, et al.	526	127	

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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO	
<i>[initials]</i>	AG	6-184179	07/05/94	JAPAN (with English Abstract and corr. CA 2,084,017)		X
<i>[initials]</i>	AH	2,084,017	05/31/93	CANADA		
<i>[initials]</i>	AI	6-100579	04/12/94	JAPAN (with English Abstract and corr. CA 2,099,214)		X
<i>[initials]</i>	AJ	2,099,214	12/28/93	CANADA		
<i>[initials]</i>	AK	7-188318	07/25/95	JAPAN (with English Abstract and corr. US 5,278,264)		X
<i>[initials]</i>	AL	WO 01/48034	07/05/2001	WIPO (with English Abstract and corr. CA 2,395,552)		X
<i>[initials]</i>	AM	2,395,552	06/21/2002	CANADA		
<i>[initials]</i>	AN	10-087716	04/07/98	JAPAN (with English Abstract)		X
<i>[initials]</i>	AO	8-208909	08/13/96	JAPAN (with English Abstract)		X
<i>[initials]</i>	AP	8-283343	10/29/96	JAPAN (with English Abstract)		X
<i>[initials]</i>	AQ	WO 00/20426	04/13/2000	WIPO		
<i>[initials]</i>	AR	2002-509936	04/02/2002	JAPAN (with English Abstract and corr. US 6,552,210)		X
<i>[initials]</i>	AS	1-501950	07/08/89	JAPAN (with English Abstract and corr. WO 88/05792)		X
<i>[initials]</i>	AT	WO 88/05792	08/11/88	WIPO		
<i>[initials]</i>	AU	1-502036	07/13/89	JAPAN (with English Abstract and corr. WO 88/05793)		X
<i>[initials]</i>	AV	WO 88/05793	08/11/88	WIPO		
<i>[initials]</i>	AW	3-179005	08/05/91	JAPAN (with English Abstract and corr. EP 0 427 697)		X
<i>[initials]</i>	AX	0 427 697	05/15/91	EUROPE		
<i>[initials]</i>	AY	3-179006	08/05/91	JAPAN (with English Abstract and corr. EP 0 427 696)		X
<i>[initials]</i>	AZ	0 427 696	05/15/91	EUROPE		

Additional References sheet(s) attached

Examiner

*[Signature]*

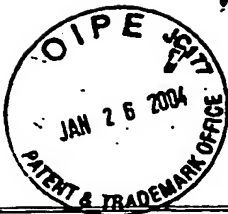
Date Considered

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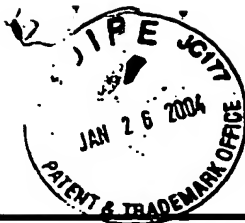


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				FILING DATE July 31, 2003		GROUP 1621	
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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
<del>BA</del>	BA	3-207704	09/11/91	JAPAN (with English Abstract and corr. EP 0 426 638)			X
<del>BB</del>	BB	0 426 638	05/08/91	EUROPE			
<del>BC</del>	BC	WO 92/00333	01/09/92	WIPO			
<del>BD</del>	BD	WO 93/03067	02/18/93	WIPO			
<del>BE</del>	BE	4-309508	11/02/92	JAPAN (with English Abstract)			X
<del>BF</del>	BF	4-353502	12/08/92	JAPAN (with English Abstract)			X
<del>BG</del>	BG	5-331232	12/14/93	JAPAN (with English Abstract and corr. EP 0 572 003)			X
<del>BH</del>	BH	0 572 003	12/01/93	EUROPE			
<del>BI</del>	BI	WO 96/41808	12/27/96	WIPO (with English Abstract and corr. EP 0 775 707)			X
<del>BJ</del>	BJ	0 775 707	05/28/97	EUROPE			
<del>BK</del>	BK	7-149833	06/13/95	JAPAN (with English Abstract and corr. EP 0 629 632)			X
<del>BL</del>	BL	0 629 632	12/21/94	EUROPE			
<del>BM</del>	BM	8-283343	10/29/96	JAPAN (with English Abstract)			X
<del>BN</del>	BN	0 834 519	04/08/98	EUROPE			
<del>AM</del>	AM	2002-194016	07/10/2002	JAPAN (with English Abstract and corr. US 2001/0053833 A1)			X
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<del>BO</del>	BO	T. SUGANO, et al., SPO '99, pages 31, 33-53, "NOVEL METALLOCENE CATALYST FOR PROPYLENE POLYMERIZATION", 1999					
<del>BP</del>	BP	J. A. BANDY, et al., J. Chem. Soc. Dalton Trans., pages 2207-2216, "POLYMERISATION OF ETHYLENE AND PROPENE USING NEW CHIRAL ZIRCONIUM DERIVATIVES. CRYSTAL STRUCTURE OF [ZrL <sup>1</sup> Cl <sub>2</sub> ] - [H <sub>2</sub> L <sup>1</sup> = (4S,5S)- TRANS-4,5-BIS(1H-INDEN-1-YLMETHYL)-2,2-DIMETHYL-1,3-DIOXOLANE]", 1991					
<del>BQ</del>	BQ	J. GRAPER, et al., Journal of Organometallic Chemistry, vol. 501, pages 211-218, "ZIRCONOCENOPHANE DICHLORIDES WITH DI- AND TRISILOXANE-BRIDGED RING LIGANDS: CRYSTAL STRUCTURE OF RAC-[1,1,3,3- TETRAMETHYLDISILOXANE-DIYL-BIS(3-TERT-BUTYL-η <sup>5</sup> -CYCLOPENTADIENYL) ZIRCONIUM (IV) DICHLORIDE]", 1995					
<del>BR</del>	BR	H. PLENIO, et al., Journal of Organometallic Chemistry, vol. 519, pages 269-272, "AMINOZIRCONOCENES: A NEW CLASS OF ZIRCONOCENES WITH A NITROGEN ATOM DIRECTLY BONDED TO AN η <sup>5</sup> -CYCLOPENTADIENYL (INDENYL) LIGAND", 1996					
<del>BS</del>	BS	H. G. ALT, et al., Journal of Organometallic Chemistry, vol. 564, pages 109-114, "SYNTHESIS, CHARACTERIZATION AND POLYMERIZATION POTENTIAL OF ANSA-METALLOCENE DICHLORIDE COMPLEXES OF TITANIUM, ZIRCONIUM AND HAFNIUM CONTAINING A Si-N-Si BRIDGING UNIT", 1998					
Examiner <i>[Signature]</i>					<input checked="" type="checkbox"/> Additional References sheet(s) attached		
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BT	C. J. SCHAEVERIEN, et al., Journal of Molecular Catalysis A: Chemical, vol. 128, pages 245-256, "PHOSPHORUS-BRIDGED METALLOCENES: NEW HOMOGENEOUS CATALYSTS FOR THE POLYMERIZATION OF PROPENE", 1998		
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BW	K. RUFANOV, et al., Journal of Organometallic Chemistry, vol. 536-537, pages 361-373, "POLYELEMENT SUBSTITUTED CYCLOPENTADIENES AND INDENES - NOVEL LIGAND PRECURSORS FOR ORGANOTRANSITION METAL CHEMISTRY", 1997		
BX	M. T. REETZ, et al., Chem. Commun., pages 1105-1106, "DONOR COMPLEXES OF BIS(1-INDENYL)PHENYLBORANE DICHLOROZIRCONIUM AS ISOSPECIFIC CATALYSTS IN PROPENE POLYMERIZATION", 1999		
BY	K. A. O. STARZEWSKI, et al., Angew. Chem. Int. Ed., Communications, vol. 38, no. 16, pages 2439-2443, "DONOR/ACCEPTOR METALLOCENES: A NEW STRUCTURE PRINCIPLE IN CATALYST DESIGN", 1999		
BZ	H. YAMANAKA, et al., vol. II, page 108, "CHEMISTRY OF HETERO RING COMPOUND", 1998 (with partial English translation)		
CA	T. KUNIEDA, et al., vol. 1, no. 1, page 26, "CHEMISTRY OF HETERO RING", March 25, 2002 (with partial English translation)		
CB	M. BOYD, vol. 3, no. 8, pages 356-359, "ORGANIC CHEMISTRY", 1977 (with partial English translation)		
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CD	J. A. EWEN, et al., J. Am. Chem. Soc., vol. 123, pages 4763-4773, "CHIRAL ANSA METALLOCENES WITH CP RING-FUSED TO THIOPHENES AND PYRROLES: SYNTHESIS, CRYSTAL STRUCTURES, AND ISOTACTIC POLYPROPYLENE CATALYSTS", 2001		
CE	E. J. M. DE BOER, et al., Journal of Molecular Catalysis A: Chemical, vol. 128, pages 155-165, "PHOSPHOLYL CATALYSTS FOR OLEFIN POLYMERIZATION", 1998		
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CI	Macromolecules, Communications to the Editor, vol. 8, no. 5, pages 687-689, "MODEL COMPOUNDS AND <sup>13</sup> C NMR OBSERVATION OF STEREOSEQUENCES OF POLYPROPYLENE", September-October 1975		
Examiner <i>Jeffrey T. Rogers</i>		<input checked="" type="checkbox"/> Additional References sheet(s) attached	
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	CJ	T. TSUTSUI, et al., Polymer, vol. 30, pages 1350-1356, "PROPYLENE HOMO-AND COPOLYMERIZATION WITH ETHYLENE USING AN ETHYLENEBIS(1-INDENYL) ZIRCONIUM DICHLORIDE AND METHYLALUMINOXANE CATALYST SYSTEM", July 1989					
	CK	JIS K 7210, pages 1-16, "TESTING METHOD FOR MELT FLOW RATE OF THERMOPLASTICS", 1976					
	CL	W. SPALECK, et al., Journal of Molecular Catalysis A: Chemical, vol. 128, pages 279-287, "NEW BRIDGED ZIRCONOCENES FOR OLEFIN POLYMERIZATION: BINUCLEAR AND HYBRID STRUCTURES", 1998					
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	AB						
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					YES	NO
	AO					
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